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UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: A. KURAMATA et al.

Group Art Unit: 2823

Serial Number: 09/313,764

Filed: May 18, 1999

Examiner: W. Coleman

For: **OPTICAL SEMICONDUCTOR DEVICE HAVING AN EPITAXIAL LAYER OF III-V COMPOUND SEMICONDUCTOR MATERIAL CONTAINING N AS A GROUP V ELEMENT**

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents
Washington, D. C. 20231

August 27, 2001

Sir:

Submitted herewith are 20 sheets of formal drawings for the above-identified application.

In the event any fees are required in connection with this paper, please charge our Deposit

Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, WESTERMAN, HATTORI,
McLELAND & NAUGHTON, LLP

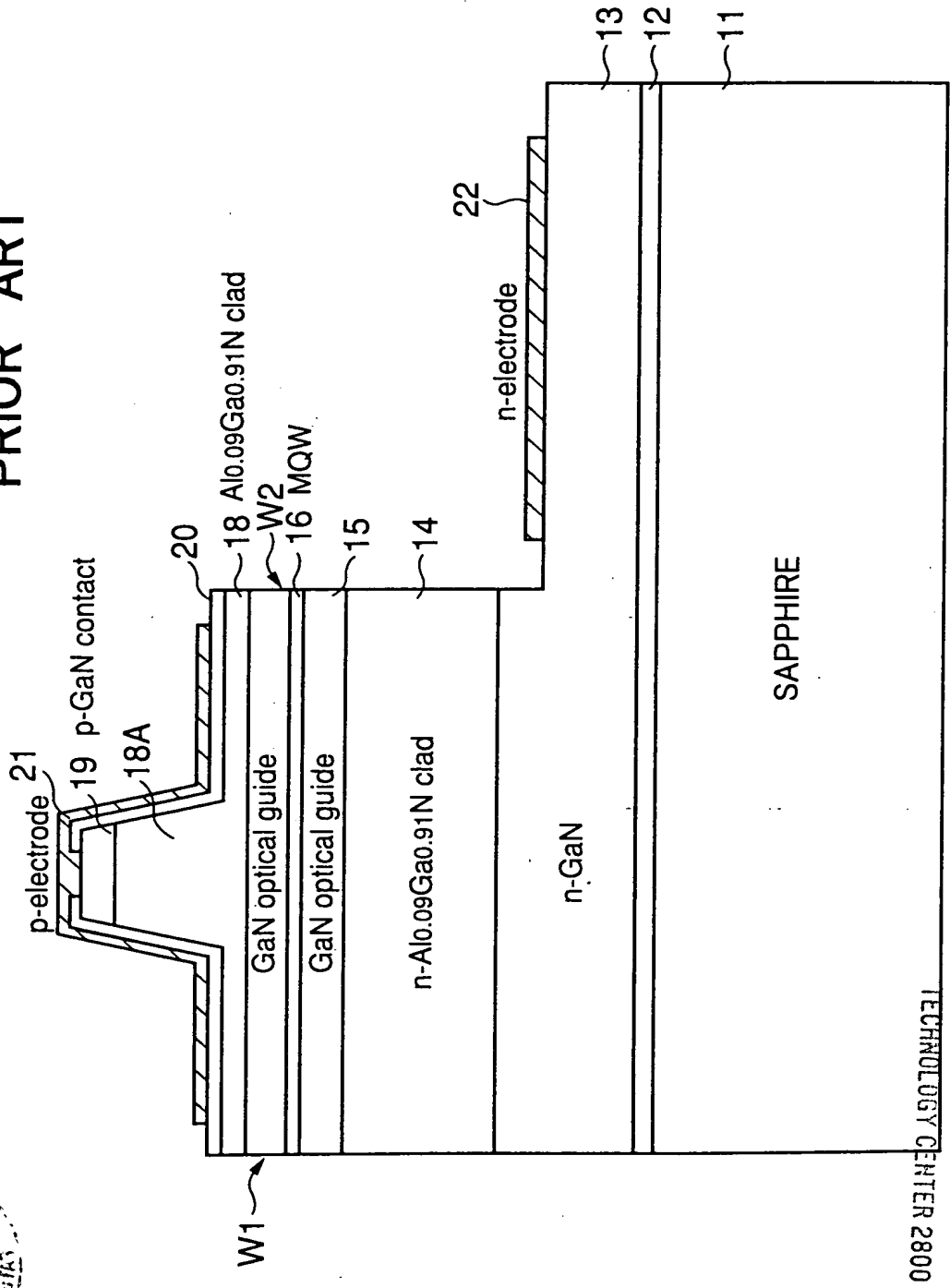
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FIG.1
PRIOR ART



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FIG. 2A

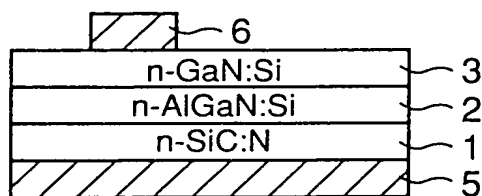


FIG. 2B

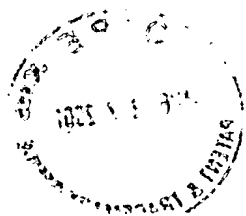
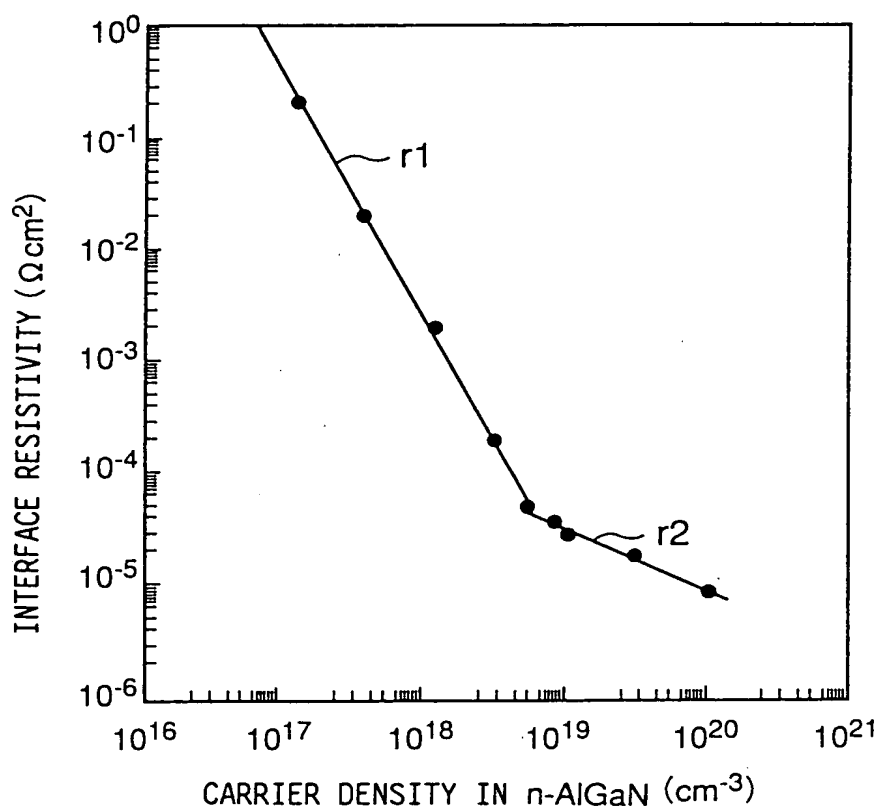


FIG. 3

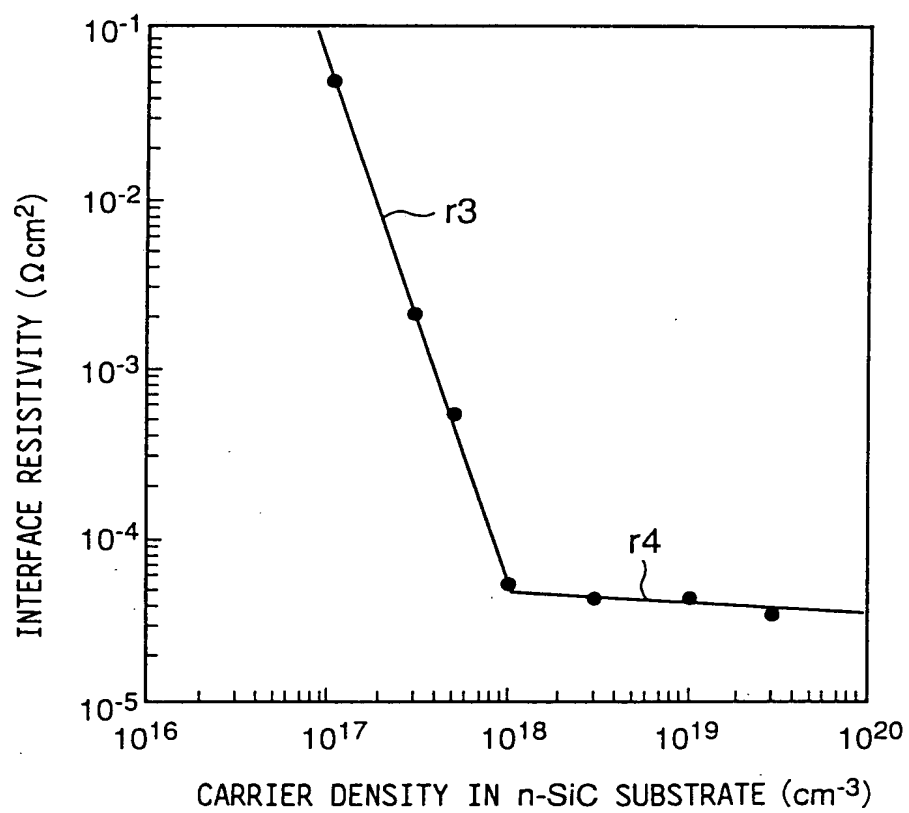


FIG. 4

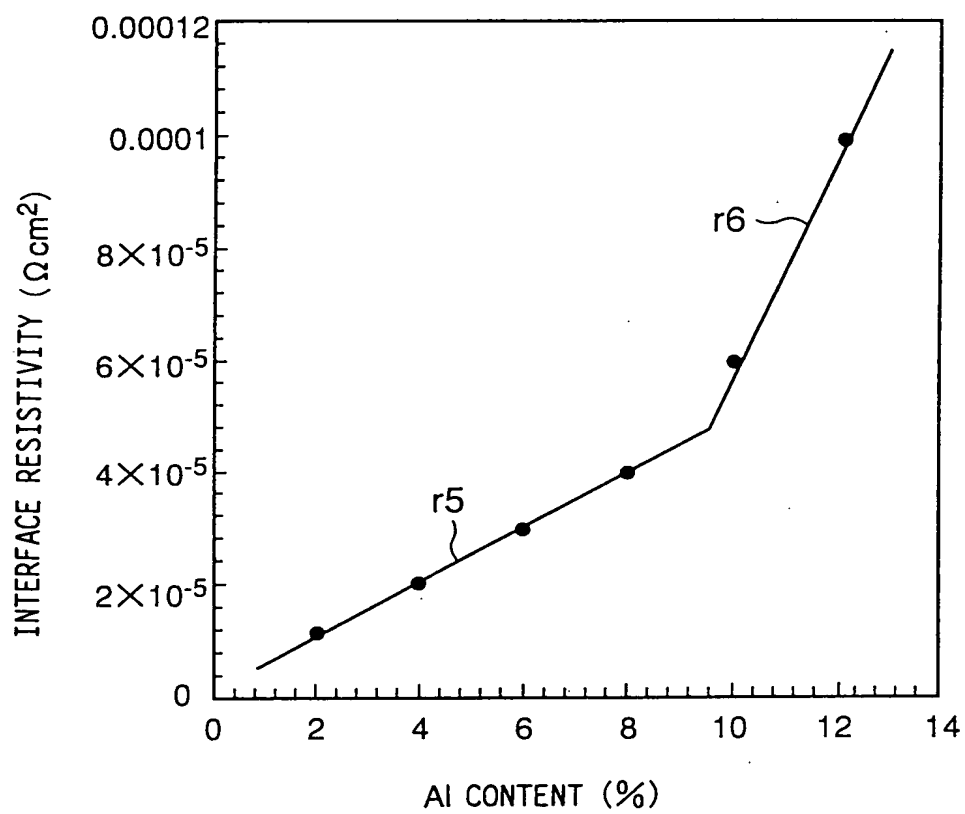


FIG. 5

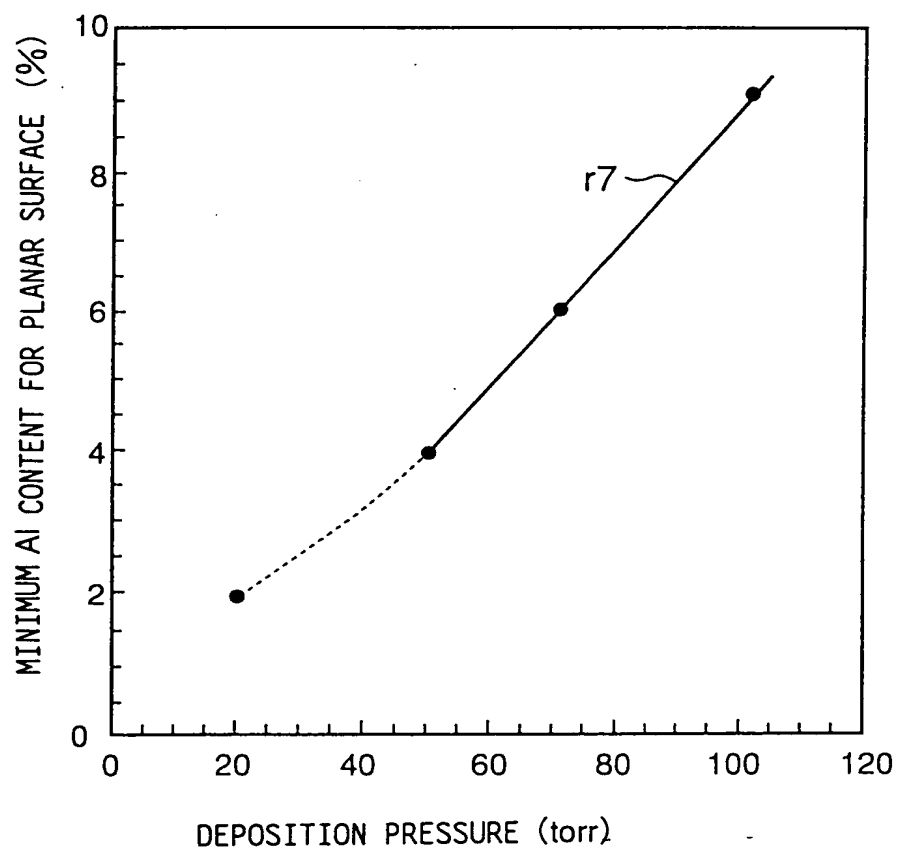


FIG. 6A

FIG. 6B

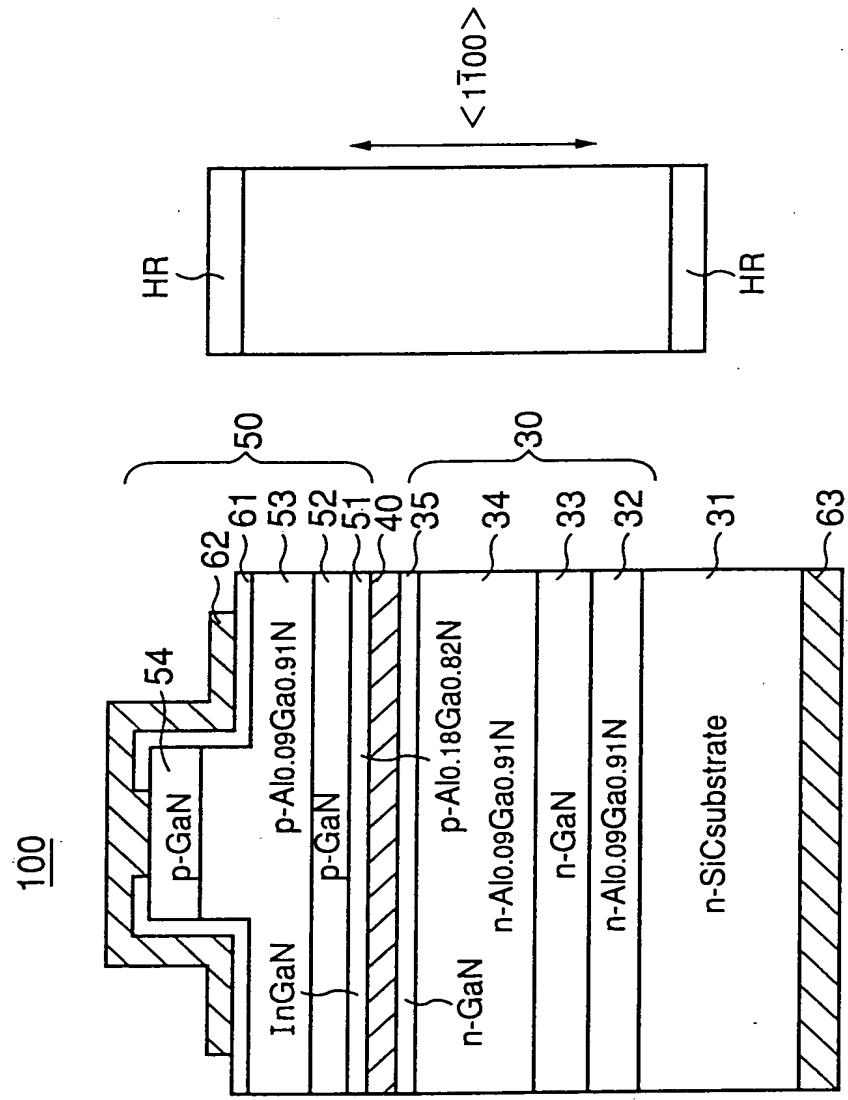


FIG. 7

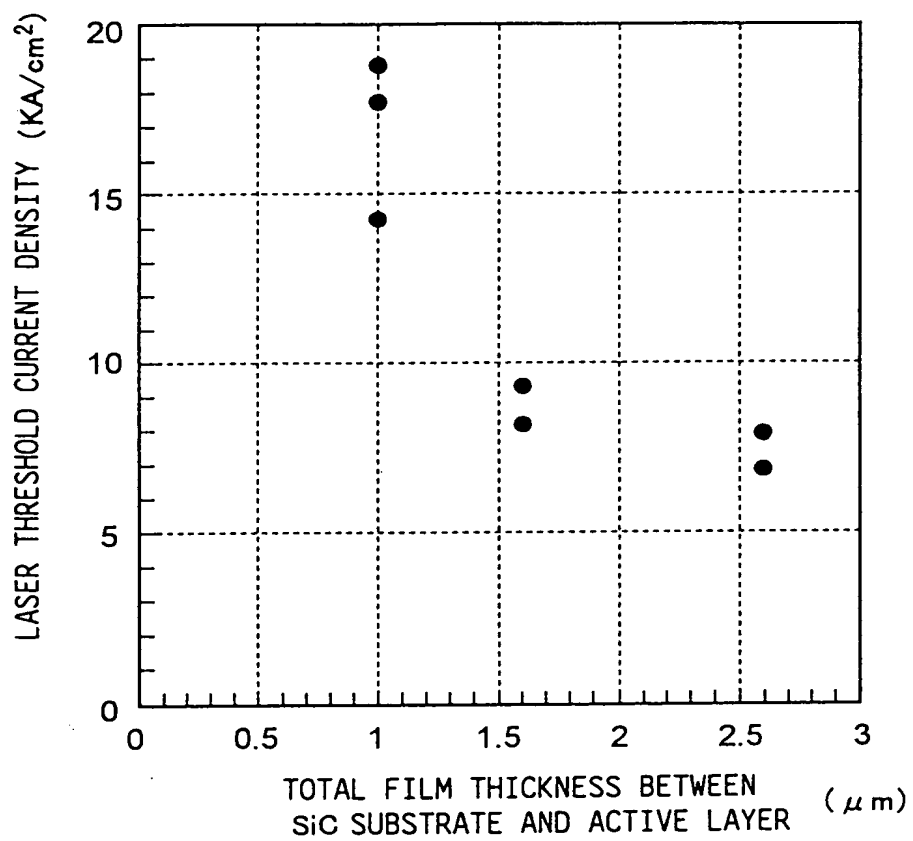


FIG. 8

200

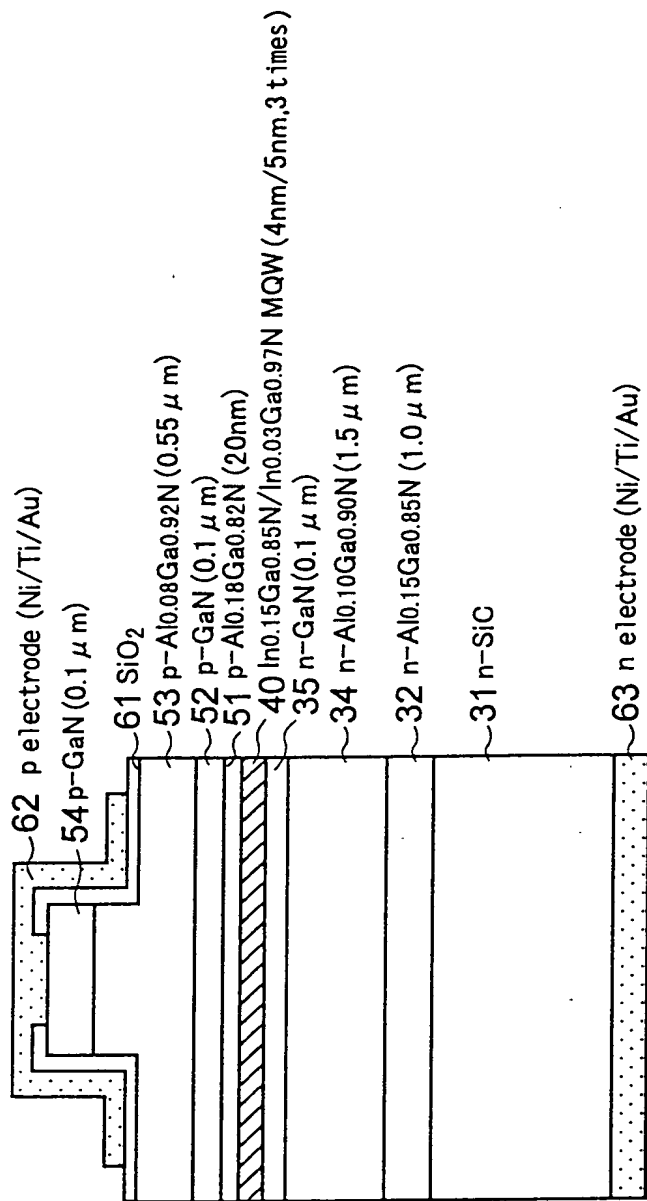


FIG. 9

210

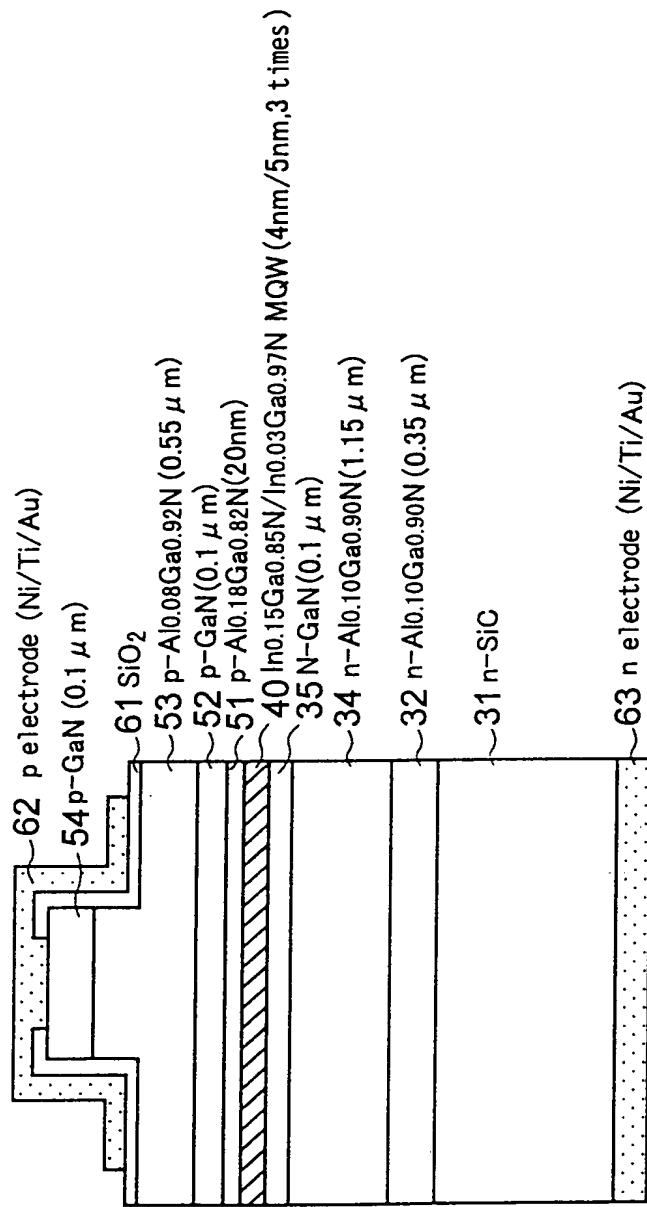


FIG.10A

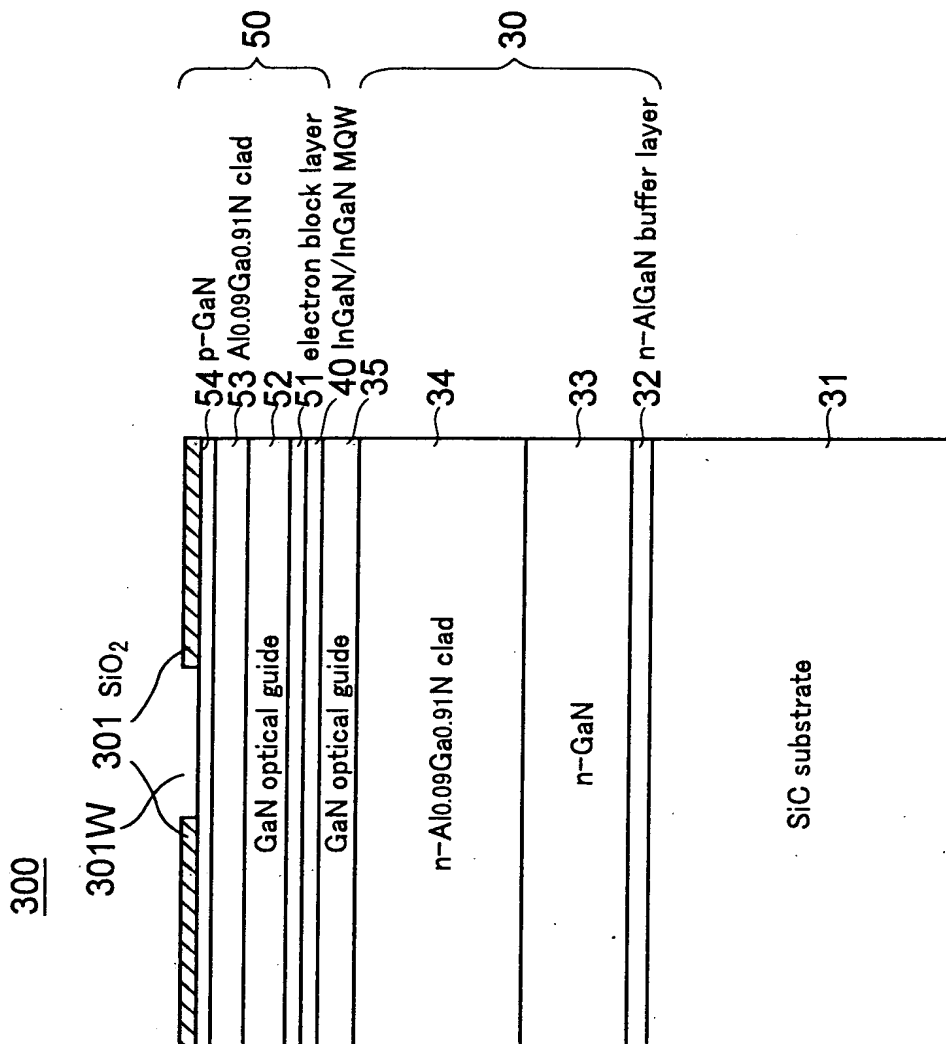


FIG.10B

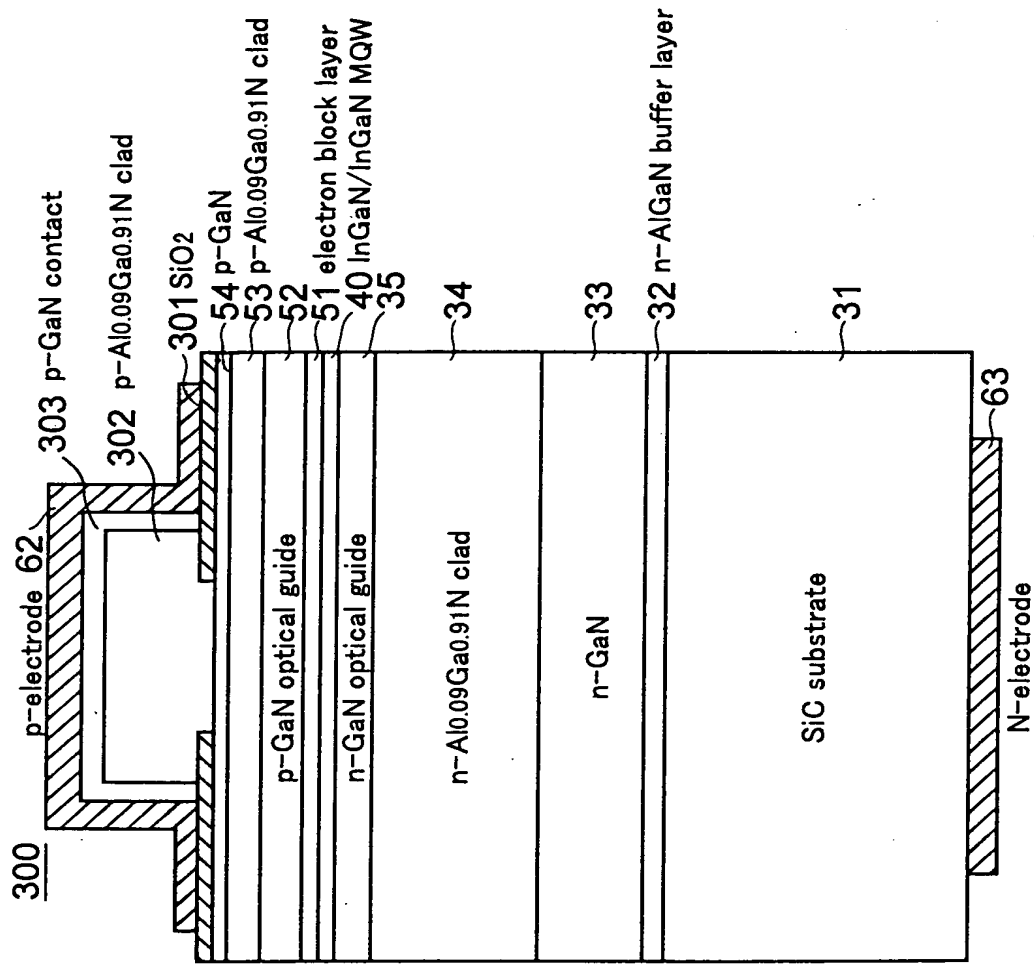


FIG.11

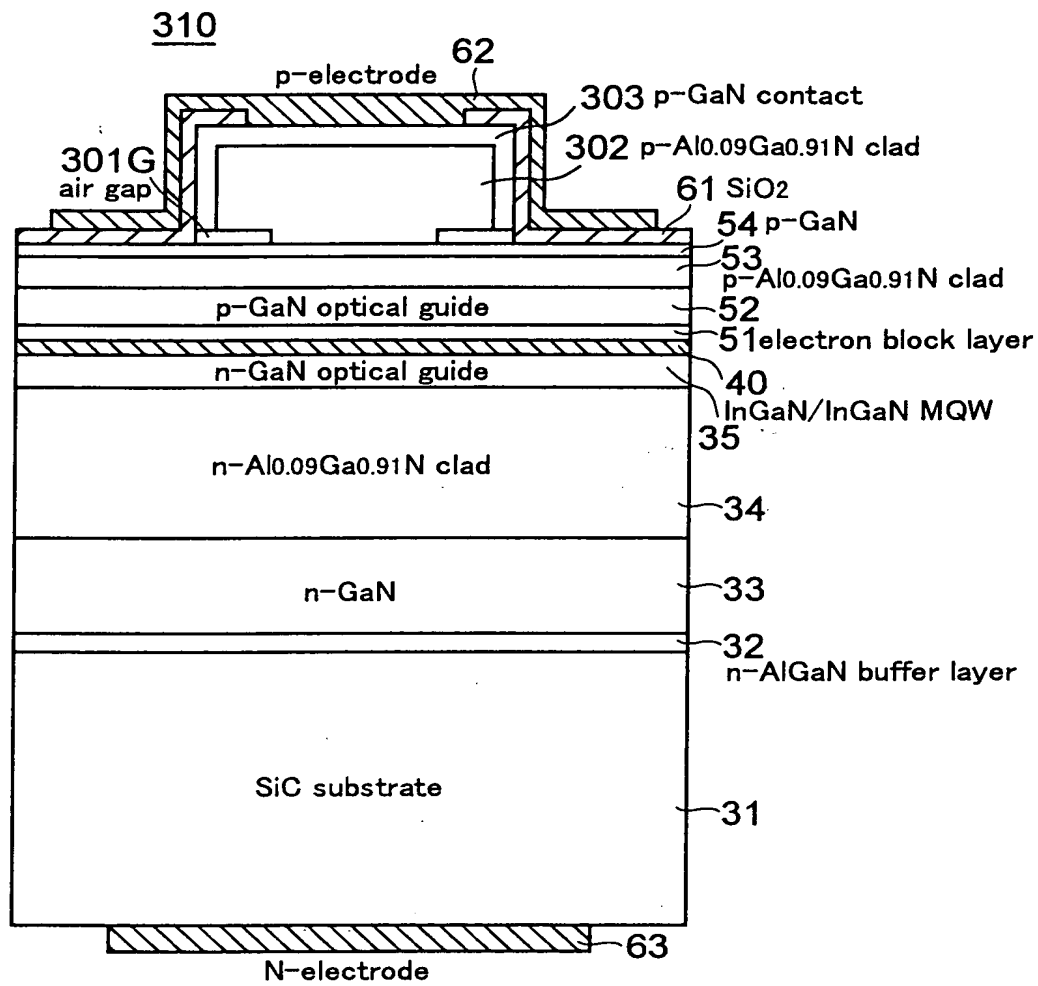


FIG. 12A

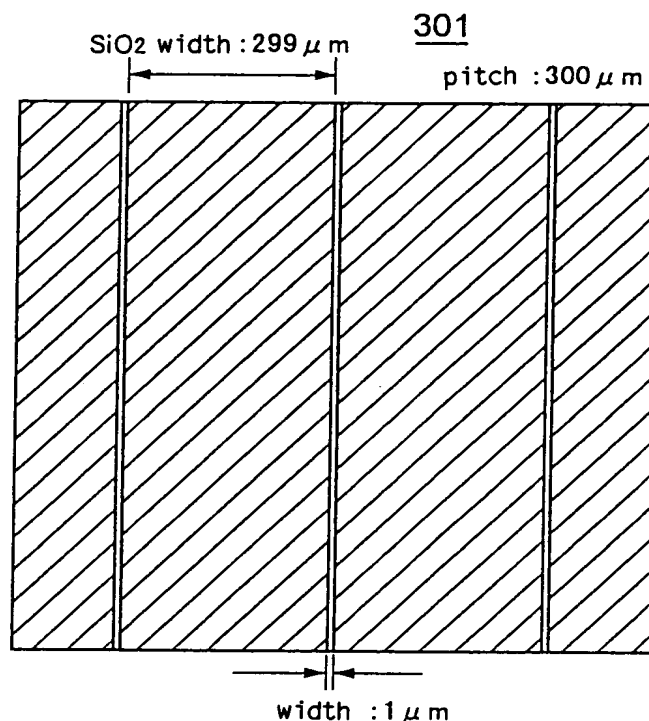


FIG. 12B

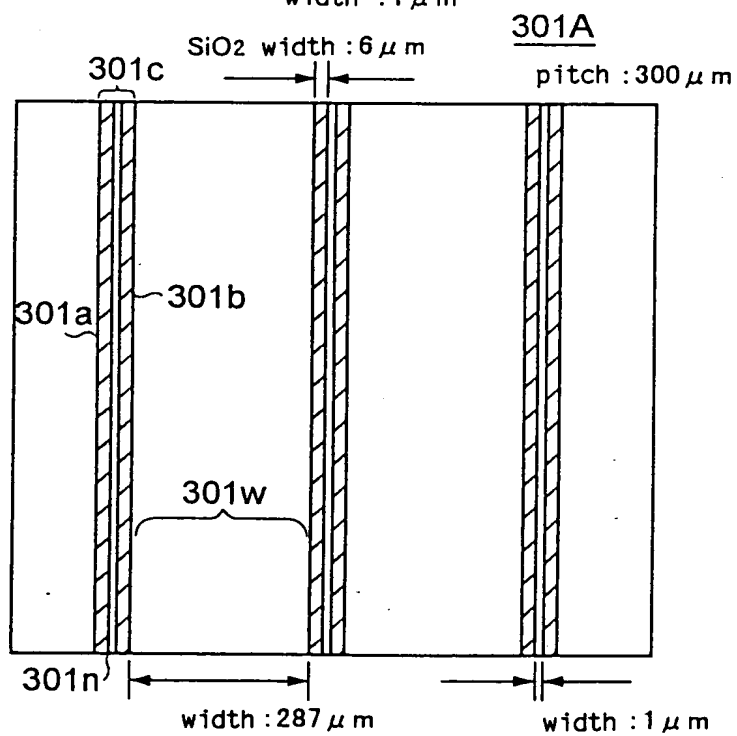
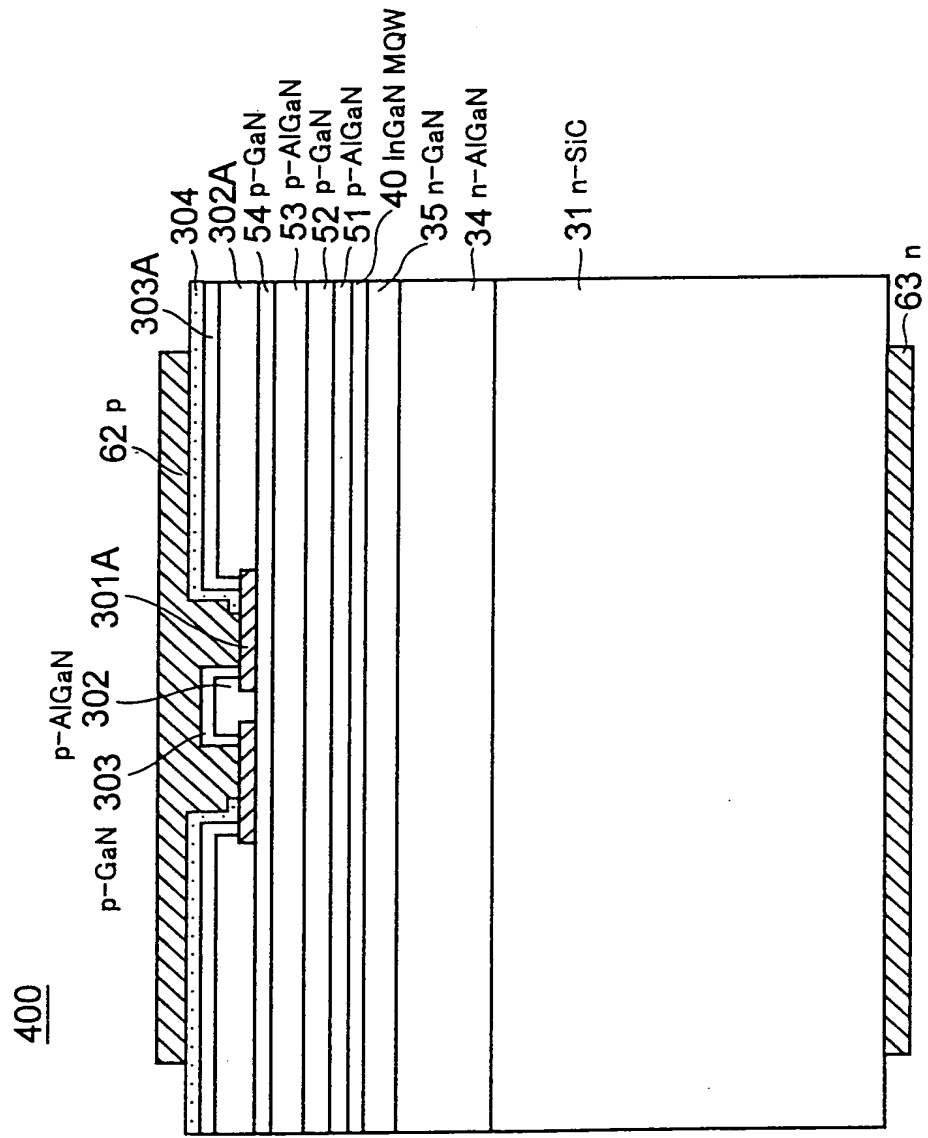


FIG. 13



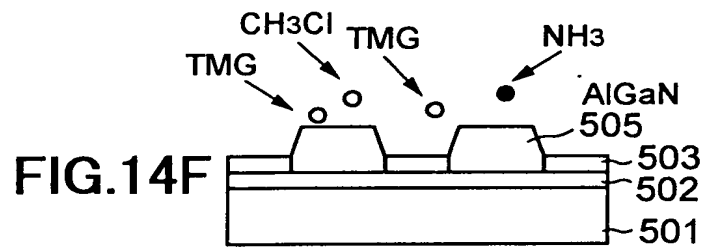
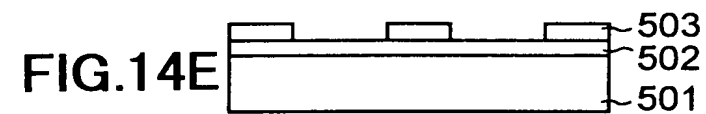
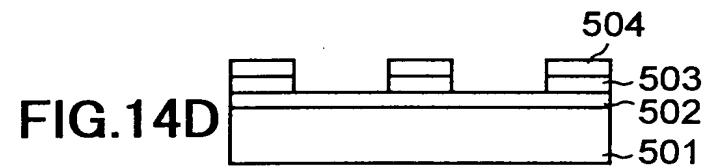
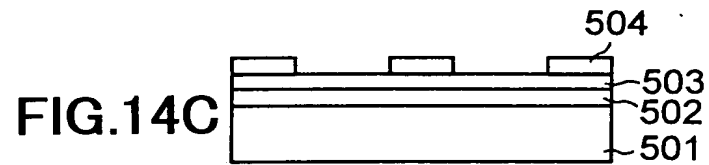
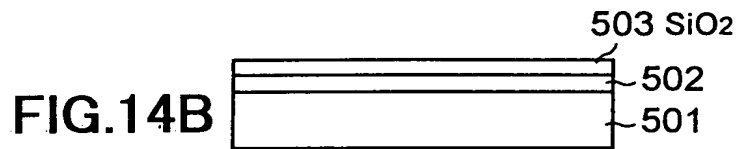
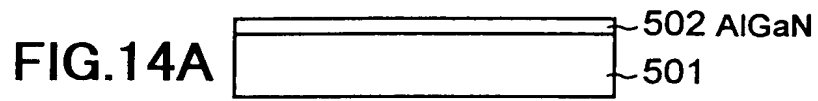


FIG.15 PRIOR ART

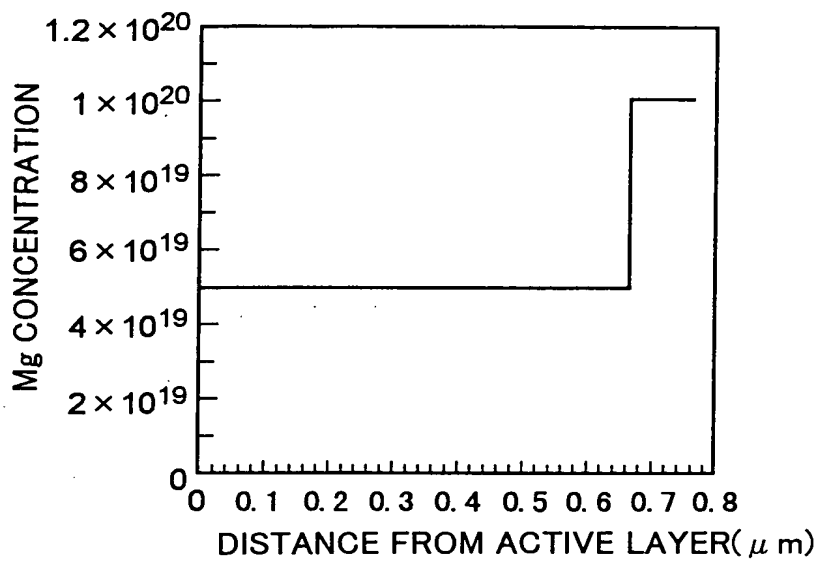


FIG.16

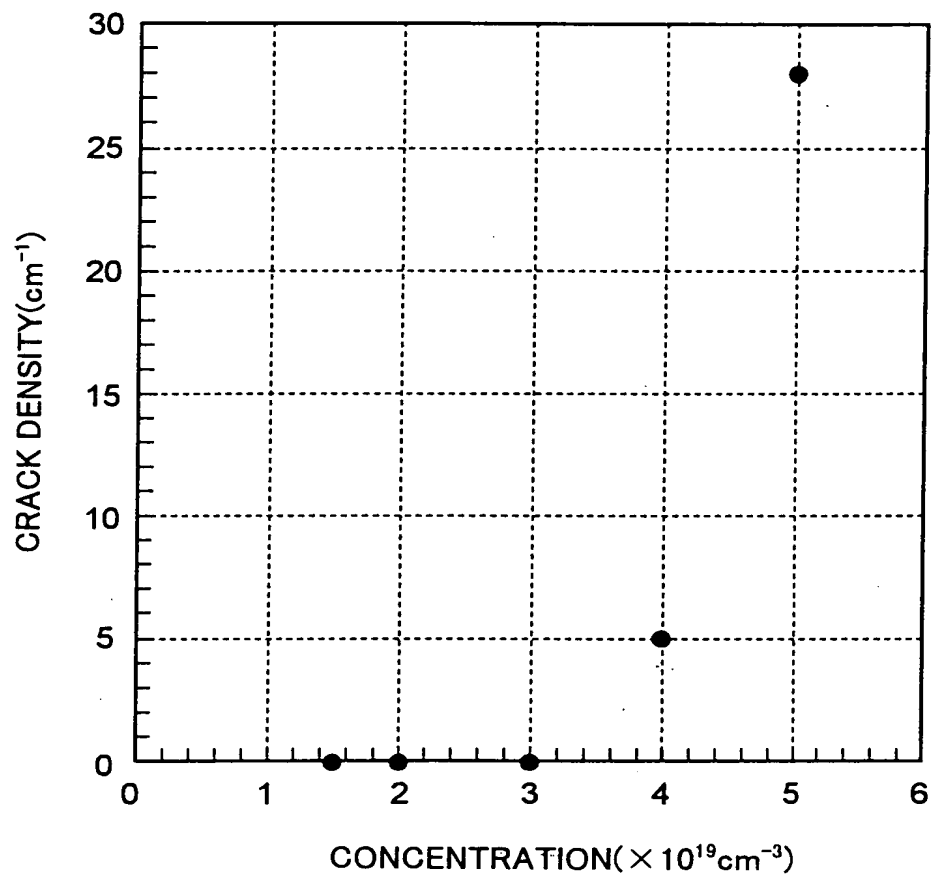


FIG.17

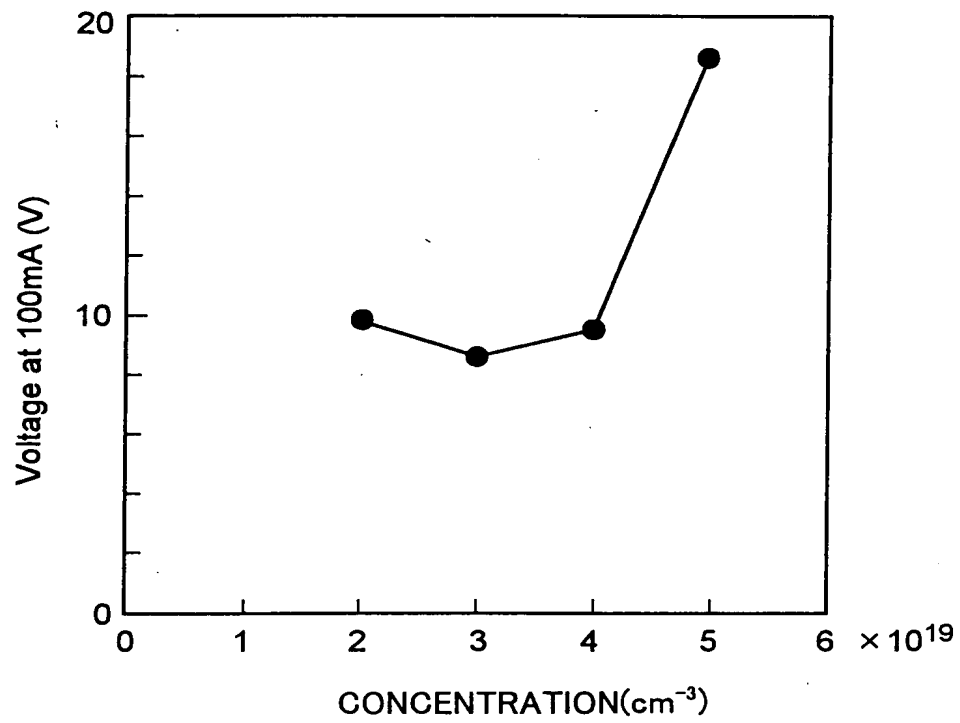


FIG.18

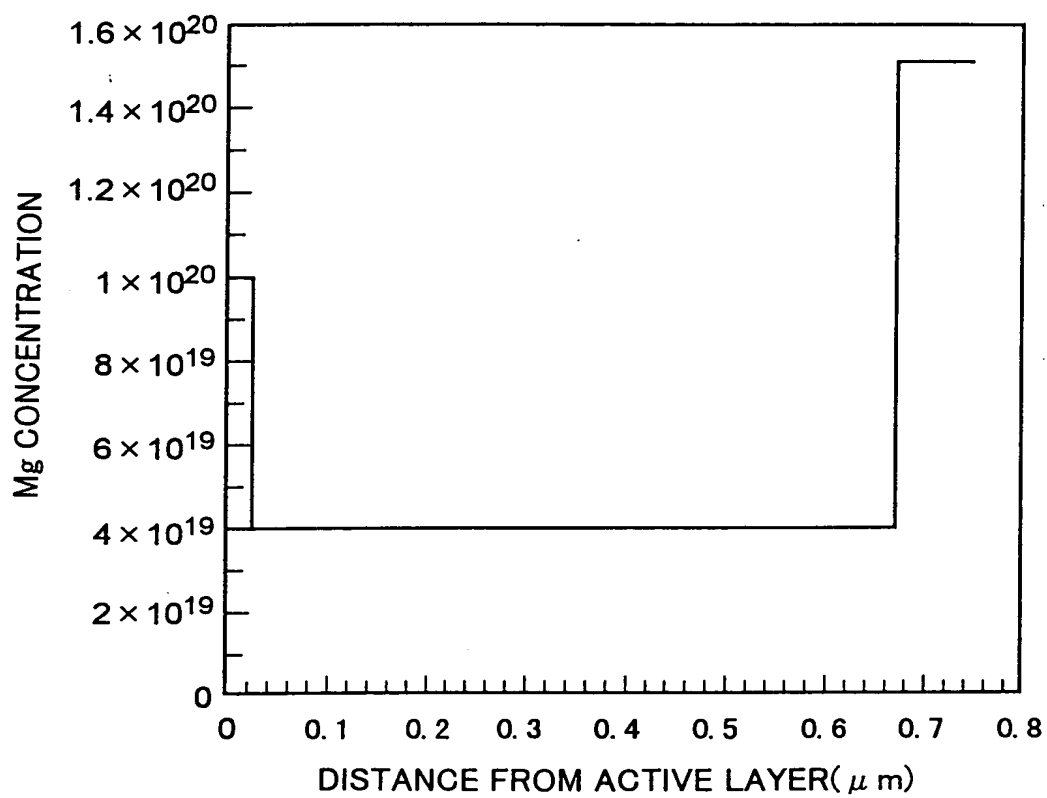


FIG.19

